Tamara Reid Bush

List of Publications by Year
in descending order

50	429	933264	839398
papers	citations	10 h-index	18 g-index

51	51	51	480
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantifying the effects of external shear loads on arterial and venous blood flow: Implications for pressure ulcer development. Clinical Biomechanics, 2013, 28, 574-578.	0.5	40
2	Do Canes or Walkers Make Any Difference? NonUse and Fall Injuries. Gerontologist, The, 2017, 57, gnv096.	2.3	36
3	Blood perfusion and transcutaneous oxygen level characterizations in human skin with changes in normal and shear loads â€" Implications for pressure ulcer formation. Clinical Biomechanics, 2010, 25, 823-828.	0.5	35
4	Support Force Measures of Midsized Men in Seated Positions. Journal of Biomechanical Engineering, 2007, 129, 58-65.	0.6	27
5	Interface forces on the seat during a cycling activity. Clinical Biomechanics, 2007, 22, 1017-1023.	0.5	18
6	Effect of site, species and tree size on the quantitative variation of lipophilic extractives in Eucalyptus woods used for pulping in South Africa. Industrial Crops and Products, 2014, 56, 166-174.	2.5	18
7	Understanding the mechanics of the bladder through experiments and theoretical models: Where we started and where we are heading. Technology, 2016, 04, 30-41.	1.4	18
8	An approach for hip joint center calculation for use in seated postures. Journal of Biomechanics, 2003, 36, 1739-1743.	0.9	17
9	Determining Functional Finger Capabilities of Healthy Adults: Comparing Experimental Data to a Biomechanical Model. Journal of Biomechanical Engineering, 2014, 136, 021022.	0.6	15
10	Mobility challenges and perceptions of autonomous vehicles for individuals with physical disabilities. Disability and Health Journal, 2021, 14, 101131.	1.6	12
11	Initial estimation of the in vivo material properties of the seated human buttocks and thighs. International Journal of Non-Linear Mechanics, 2018, 107, 77-85.	1.4	11
12	A Comparison of Four Office Chairs Using Biomechanical Measures. Human Factors, 2008, 50, 629-642.	2.1	10
13	A new method to quantify liner deformation within a prosthetic socket for below knee amputees. Journal of Biomechanics, 2018, 74, 213-219.	0.9	10
14	The Use of Electromyography for Seat Assessment and Comfort Evaluation. , 0, , .		9
15	Understanding the role of stimulation in reflexology: development and testing of a robotic device. European Journal of Cancer Care, 2011, 20, 686-696.	0.7	9
16	Comparison Between Healthy and Reduced Hand Function Using Ranges of Motion and a Weighted Fingertip Space Model. Journal of Biomechanical Engineering, 2015, 137, 041003.	0.6	9
17	Inverse finite element characterization of the human thigh soft tissue in the seated position. Biomechanics and Modeling in Mechanobiology, 2020, 19, 305-316.	1.4	8
18	The Role of Packaging Size on Contamination Rates during Simulated Presentation to a Sterile Field. PLoS ONE, 2014, 9, e100414.	1.1	8

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19	An Evaluation of Postural Motions, Chair Motions, and Contact in Four Office Seats. Proceedings of the Human Factors and Ergonomics Society, 1999, 43, 589-593.	0.2	7
20	Equilibrium and Kinetic Studies for Extracting Cu, Mn, and Fe From Pulp Wastewater onto a C-18 Column with Acetylacetone Complexing Ligand. Analytical Letters, 2011, 44, 1891-1906.	1.0	7
21	Evaluating shear and normal force with the use of an instrumented transtibial socket: A case study. Medical Engineering and Physics, 2019, 71, 102-107.	0.8	7
22	Complex thumb motions and their potential clinical value in identifying early changes in function. Clinical Biomechanics, 2020, 73, 63-70.	0.5	7
23	A Methodology for Quantifying Seated Lumbar Curvatures. Journal of Biomechanical Engineering, 2011, 133, 114502.	0.6	6
24	Mapping kinematic functional abilities of the hand to three dimensional shapes for inclusive design. Journal of Biomechanics, 2015, 48, 2903-2910.	0.9	6
25	Multimodal characterization of Yucatan minipig behavior and physiology through maturation. Scientific Reports, 2021, 11, 22688.	1.6	6
26	Influence of Automotive Seat and Package Factors on Posture and Applicability to Design Models. , 0, , .		5
27	Ionic Liquidâ€“Liquid Extraction and Supported Liquid Membrane Analysis of Lipophilic Wood Extractives from Dissolving-Grade Pulp. Chromatographia, 2012, 75, 513-520.	0.7	5
28	Differences in Human Cervical Spine Kinematics for Active and Passive Motions of Symptomatic and Asymptomatic Subject Groups. Journal of Applied Biomechanics, 2013, 29, 543-553.	0.3	5
29	A Comparison of Pressure Mapping Between Two Pressure-Reducing Methods for the Sacral Region. Journal of Wound, Ostomy and Continence Nursing, 2015, 42, 338-345.	0.6	5
30	Reducing levels of medical device contamination through package redesign and opening technique. PLoS ONE, 2018, 13, e0206892.	1.1	5
31	The effects of body position on the material properties of soft tissue in the human thigh. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 110, 103964.	1.5	5
32	Measuring and Modeling Support Forces of People to Assist in the Development of the ASPECT Manikin Weighting. , 1999, , .		4
33	Relating a manual medicine diagnostic test of cervical motion function to specific three-dimensional kinematic variables. International Journal of Osteopathic Medicine, 2010, 13, 48-55.	0.4	4
34	Differences in the Kinematics of Restrained and Unrestrained Conditions of Opening for Two Sizes of Glass Jar. Packaging Technology and Science, 2013, 26, 105-113.	1.3	4
35	Influences of sodium and glycosaminoglycans on skin oedema and the potential for ulceration: a finite-element approach. Royal Society Open Science, 2019, 6, 182076.	1.1	4
36	Skin perfusion responses under normal and combined loadings: Comparisons between legs with venous stasis ulcers and healthy legs. Clinical Biomechanics, 2015, 30, 1218-1224.	0.5	3

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37	Tissue matters: In-vivo tissue properties of persons with spinal cord injuries to inform clinical models for pressure ulcer prevention. Journal of Biomechanics, 2021, 120, 110389.	0.9	3
38	Determining Isolated Thumb Forces in Osteoarthritic and Healthy Persons. Journal of Biomechanical Engineering, 2021, 143, .	0.6	3
39	Kinematic measures to objectify head and neck motions in palpatory diagnosis: a pilot study. Journal of the American Osteopathic Association, The, 2008, 108, 55-62.	1.7	3
40	Simulation of Torso Posture and Motion in Seating. , 0, , .		2
41	Study of the Fate of Lipophilic Wood Extractives During Acid Sulphite Pulping Process by Ultrasonic Solid-Liquid Extraction and Gas Chromatography Mass Spectrometry. Journal of Wood Chemistry and Technology, 2012, 32, 253-267.	0.9	2
42	A method for quantifying key components of the opening process for opening pouch-style packages containing medical devices. Applied Ergonomics, 2019, 76, 97-104.	1.7	2
43	Evaluation of the influence of lipophilic extractive residues on dissolving pulp quality parameters by partial least squares method of chemometrics. Nordic Pulp and Paper Research Journal, 2015, 30, 402-410.	0.3	2
44	Mapping Together Kinetic and Kinematic Abilities of the Hand. Journal of Biomechanical Engineering, 2020, 142, .	0.6	2
45	Biomechanical Design and Evaluation of Truck Seats. , 0, , .		1
46	A Potential Tool for the Study of Venous Ulcers: Blood Flow Responses to Load. Journal of Biomechanical Engineering, 2018, 140, .	0.6	1
47	Comfortable leg splay of mid-sized males in automotive seats. Applied Ergonomics, 2020, 85, 103062.	1.7	1
48	Key Components Related to Pressure Injury Formation: An Initial Investigation Into Pressure Distribution and Blood Perfusion Responses in Wheelchair Users. Journal of Biomechanical Engineering, 2021, 143, .	0.6	1
49	Shifting loads as a result of chair articulations and associated perfusion responses in the context of pressure injuries: An investigation with able-bodied individuals. Journal of Tissue Viability, 2022, 31, 104-111.	0.9	1
50	Functional Testing Using a Force Motion Capture Device for Hand Surgery Outcome Assessment: A Proof of Concept. Plastic and Reconstructive Surgery, 2021, Publish Ahead of Print, .	0.7	0